

(2) X" FLG. CHECK VALVE

W/LEVER & WEIGHT, (TYP.)

PRESSURE

GAUGE

SUMP

PROP. 4 LAYERS OF —

40# ROOF FELT, (TYP.)

XX"xXX" (CONCRETE OPENING) ALUMINUM ACCESS HATCH-

1-1/2" Ø PVC SUMP -

PUMP DISCHARGE

AHD (H-20) U.S.F. FABRICATION TYPE OR APPROVED

EQUAL. SIZÉ & LOCATION AS REQUIRED FOR PROPER

VALVES MAINTENANCE

2 ½"ø PIPE SLEEVE (TYP.), SEAL-

AROUND W/ FLEXIBLE MATERIALS

X"ø CORE OPENING, SEAL

W/ NON-SHRINK EPOXY

GROUT AFTER PIPING

INSTALLATION, (TYP.)

SEE STRUCTURAL DRAWINGS

PROP. X" DISCHARGE FLG.xFLG. D.I.

SECONDARY POUR

PUMP BASE, PERMANENTLY ANCHORED

w/ 'X' 316 S.S. ANCHOR BOLTS, AS PER

PÚMP MANUFACTURER'S RECOMMENDATIONS

PIPE (6"min.), (LENGTH AS REQUIRED)

PROP. X"ø 316 S.S. GUIDE BARS, (TYP.) AS

PER PUMP MANUFACTURER'S RECOMMENDATIONS

 $_{-}$  (2) X" PLUG VALVE, (TYP.)

SEE STRUCTURAL

DRAWINGS

- CONCRETE SUPPORT. - PIPE SUPPORT

(2) 1 1/2" CHECK VALVES

SUMP PUMP AND PIPING DETAIL

2" I.D. BUNA-N HOSE -

TO FLOAT CONTROL

W/S.S. CLAMPS

AT OUTLET

1 1/2" G.S. PIPE

FLANGE TEE

6"ø FLANGED COUPLING AND DUSTCAP

w/ PETCOCK AS PER "PT COUPLING"

1" BRONZE CORPORATION STOP & 1"

- FLARE TO THREAD ADPATER W/ SADDLE

STRAP FOR SCADA TRANSMITTÉR

- Short Pipe

BASE BEND

DETAIL 1

1-1/2"ø PVC PIPE

— 1 1/2" G.S. NIPPLES W/

S.S. STRAPPED TO WALL

- SUMP PUMP w/FLOAT SWITCH

REFER TO SPECIFICATIONS.

POWER CABLE

∕ 1-1/2"ø G.S. PIPE

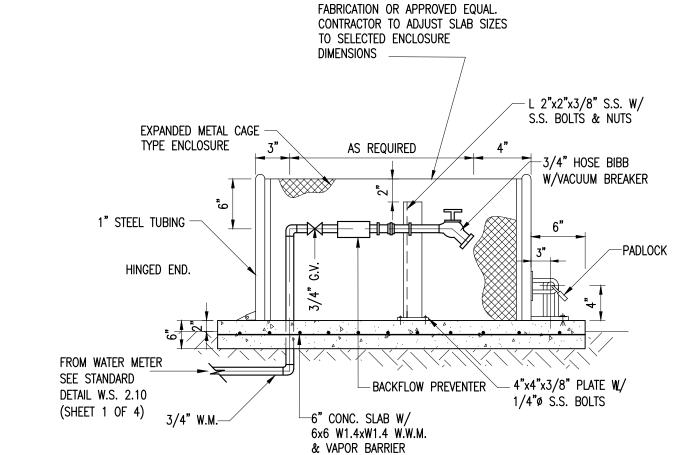
— GATE VALVE

\_\_\_\_ 1 1/2" G.S. NIPPLE

— 1 1/2" G.S. 90° BEND

W/ PVC PIPE ADAPTER

FÁBRICATION OR APPROVED EQUAL



CONC. SLAB -

G.V. VALVE

REDUCED PRESSURE

PROP. ECONOCAGE PER GUARDSHACK

ASSEMBLY

BACKFLOW PREVENTION

\_4"x4"x3/8" PLATE W/

1/4"ø S.S. BOLTS

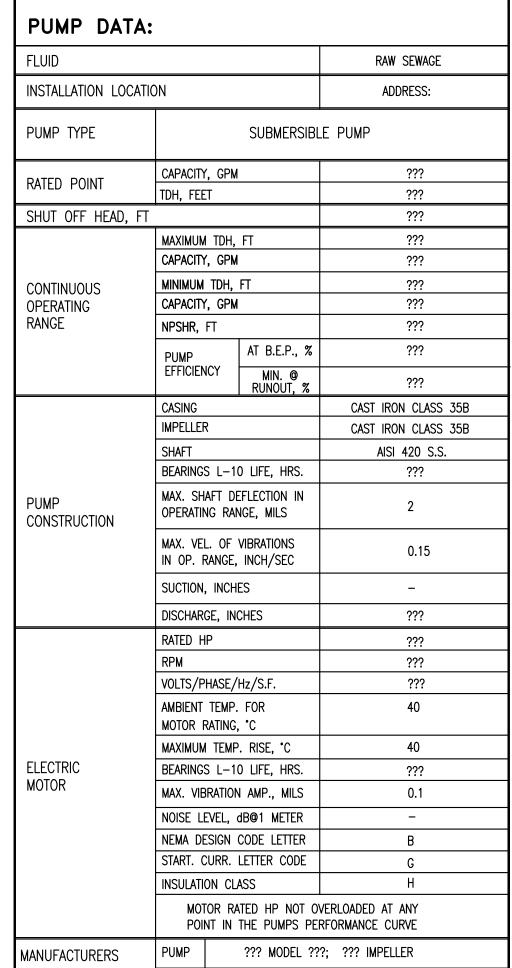
L 2"x2"x3/8" S.S.

3/4" HOSE BIBB

W/ VACUUM BREAKER

W/ S.S. BOLTS & NUTS



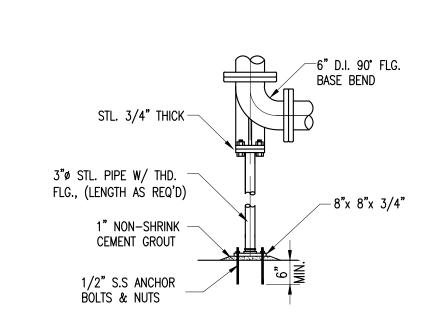


ALL PUMP STATION PLANS SHALL BE DRAWN TO SCALE

???

MOTOR

& MODELS



**GALVANIZED PIPE SUPPORT** 

CHIEF ENGINEER: ECTION HEAD:

ROJECT MGR.: SIGNED: X.X.X. CHECKED: X.X.X. FINAL CHECK: X.X. RAWN: X.X.X.

MIAMI-DADE

Delivering Excellence Every Day

WATER

AND

**SEWER** 

**DEPARTMENT** 

ENGINEERING DIVISION

3071 SW 38TH AVENUE

MIAMI, FLORIDA 33146-2221

305-665 7471

miamidade.gov

OR

/GENERAT( 2012)

TATION OF UPDA

SE

DRAWING HISTORY

**REVISIONS** 

APPROVALS

DESCRIPTION

RELEASED FOR DATE

REVIEW 100%

XXXXXXX XXXXX XXXXXXXXX Engineer tate of Florida — License No. 00000

R No. : S000000 | PCTS No. : 00000

LE NAME: 00000M01.DWG TE: AUG. 31, 2012 SCALE: AS NOTED

SHEET M-1 DWG. No. **S-00000-A** 

MECHANICAL NOTES (AS APPLICABLE): 1). THE STANDARD DRAWINGS PRESENTED ARE BASED ON MINIMUM OF 6" DISCHARGE

2). CONTRACTOR SHALL VERIFY EXISTING UNDERGROUND UTILITIES IN APPLICATIONS. ELEVATIONS, AND QUALITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL VERIFY EXISTING PIPING TO REMAIN BEFORE ORDERING NEW PIPE AND FITTINGS FOR CONNECTIONS. THE CONTRACTOR SHALL INSPECT AND VERIFY ALL SITE CONDITIONS, DIMENSIONS, ELEVATIONS ETC. AND COORDINATE WITH OTHER TRADES PRIOR TO CONSTRUCTION. WORK SHALL BE SCHEDULED ACCORDING TO SPECIFIED CONSTRUCTION

3). PAY ATTENTION TO AVOID DISTURBING EXISTING ELECTRICAL SERVICE IN THE AREA UNDER CONSTRUCTION (FOR EXISTING FACILITIES ONLY).

4). ALL ELEVATIONS FOR UNDERGROUND UTILITIES SHOWN ARE T.O.P. ELEVATIONS UNLESS OTHERWISE SPECIFIED.

5). ALL PIPING, UNLESS SPECIFIED, TO USE DUCTILE IRON WITH LINING OF SEWER APPLICATION. FITTINGS AND CONNECTIONS UNDERGROUND TO USE MECHANICAL JOINT WITH RESTRAINTS; FITTINGS ABOVE GROUND OR IN VAULT TO USE FLANGE JOINT.

6). PROTECT ALL UNDERGROUND FITTING WITH BOLT CONNECTIONS IN DIRECT CONTACT WITH SOIL WITH TWO COATS OF BITUMASTIC MATERIAL OR APPROVED EQUAL. PROVIDE DIELECTRIC FITTINGS BETWEEN TWO DIFFERENT PIPING MATERIALS.

7). PIPE SUPPORTS SHALL BE HOT-DIP GALVANIZED AFTER FABRICATION. 8). PROPOSED WET WELL SHALL BE CYLINDRICAL TYPE MADE OF REINFORCED CONCRETE WITH DEPTH NO GREATER THAN 24 FEET.

SECTION (A) SCALE: 1/2"=1'-0"

WET WELL 8'-0" I.D. (MIN.)

— PER PUMP MANUFACTURER

2-90° FLG BENDS 4"ø D.I. —

(INSIDE PROPERTY ONLY)

VENT W/ S.S. INSECT SCREEN

XX"xXX" (CONCRETE OPENING) ALUMINUM ACCESS HATCH-

EQUAL. SIZÉ & LOCATION AS PER PUMP MANUFACTURER

HOLDERS, (TYP.)

INFLUENT PIPE

SUBMERSIBLE

CORD, (TYP.)

S.S. 316L CHAIN

AHD (H-20) U.S.F. FABRICATION TYPE OR APPROVED

PROP. TOP EL.  $\pm$ (?) (6" min. ABOVE

MIAMI DADE COUNTY FLOOD CRITERIA

ELEVATION)

PUMP CONTROLS:

3 TRANSDUCER

1 HIGH-HIGH FLOAT SWITCH

2 LOW-LOW FLOAT SWITCH

HIGH WATER ALARM

<u>INFLUENT</u> INVERT

LAG PUMP 'ON'

LEAD PUMP 'ON'

EFFECTIVE VOLUME

ALL PUMPS 'OFF'

MINIMUM LEVEL

AS PER PUMP

MANUFACTURER'S

RECOMMENDATION

BOTTOM

LOW WATER ALARM

9). ALL PUMP CONTROLS SHALL BE SET AS PER DESIGN REQUIREMENTS.

FÓRCE MAIN.